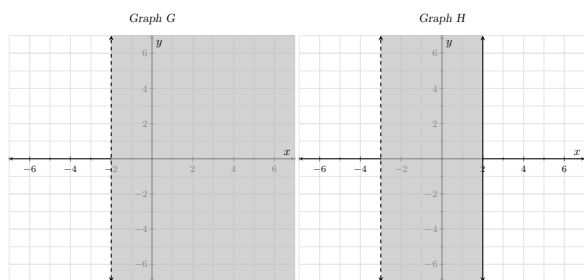
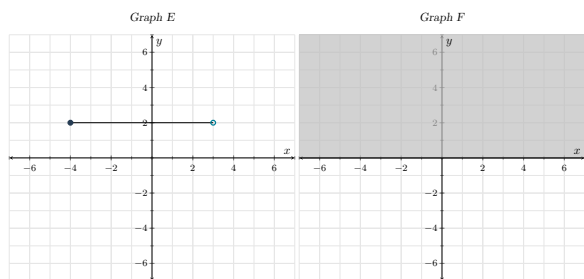
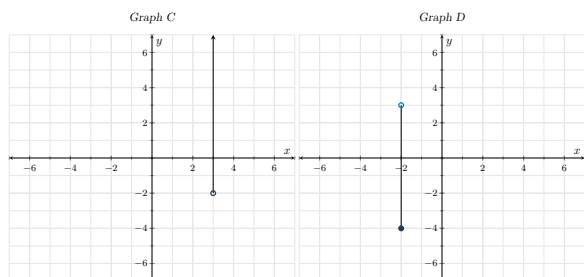
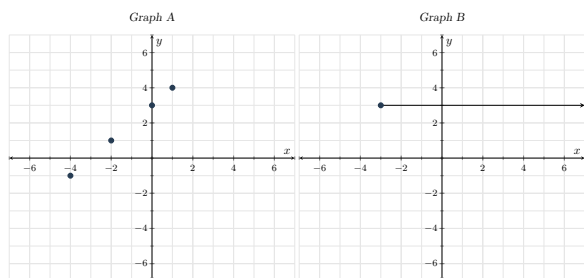
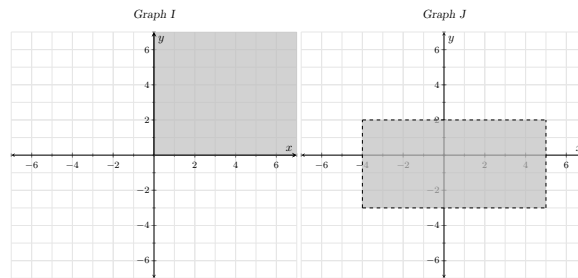


Exercise 1 Look at the following graphs and match each to a description of a relation below:





(a) The points (x, y) with $-3 < x \leq 2$.

Multiple Choice:

- (i) A
- (ii) B
- (iii) C
- (iv) D
- (v) E
- (vi) F
- (vii) G
- (viii) H ✓
- (ix) I
- (x) J

(b) The points (x, y) with $x = -2$ and $-4 \leq y < 3$.

Multiple Choice:

- (i) A
- (ii) B
- (iii) C
- (iv) D ✓
- (v) E
- (vi) F
- (vii) G
- (viii) H
- (ix) I
- (x) J

(c) The points (x, y) with $x > -2$.

Multiple Choice:

- (i) A
- (ii) B
- (iii) C
- (iv) D
- (v) E
- (vi) F
- (vii) G ✓
- (viii) H
- (ix) I
- (x) J

- (d) The points (x, y) with $x \geq 0$ and $y \geq 0$.

Multiple Choice:

- (i) A
- (ii) B
- (iii) C
- (iv) D
- (v) E
- (vi) F
- (vii) G
- (viii) H
- (ix) I ✓
- (x) J

- (e) The points (x, y) with $-4 < x < 5$ and $-3 < y < 2$.

Multiple Choice:

- (i) A
- (ii) B
- (iii) C
- (iv) D
- (v) E
- (vi) F
- (vii) G

- (viii) H
- (ix) I
- (x) J ✓

(f) The points (x, y) with $-4 \leq x < 3$ and $y = 2$.

Multiple Choice:

- (i) A
- (ii) B
- (iii) C
- (iv) D
- (v) E ✓
- (vi) F
- (vii) G
- (viii) H
- (ix) I
- (x) J

(g) The points (x, y) with $-3 \leq x$ and $y = 3$.

Multiple Choice:

- (i) A
- (ii) B ✓
- (iii) C
- (iv) D
- (v) E
- (vi) F
- (vii) G
- (viii) H
- (ix) I
- (x) J

(h) The points (x, y) with $y \geq 0$.

Multiple Choice:

- (i) A
- (ii) B

- (iii) C
- (iv) D
- (v) E
- (vi) F ✓
- (vii) G
- (viii) H
- (ix) I
- (x) J

(i) The points $(-4, -1)$, $(-2, 1)$, $(0, 3)$, and $(1, 4)$.

Multiple Choice:

- (i) A ✓
- (ii) B
- (iii) C
- (iv) D
- (v) E
- (vi) F
- (vii) G
- (viii) H
- (ix) I
- (x) J

(j) The points (x, y) with $x = 3$ and $y > -2$.

Multiple Choice:

- (i) A
- (ii) B
- (iii) C ✓
- (iv) D
- (v) E
- (vi) F
- (vii) G
- (viii) H
- (ix) I
- (x) J